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FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Claiborne County Schools

Prepared By:
Tommy Walker

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-16

Plan Type:
Stewardship / Stewardship

This plan was developed in accordance with the rules of the Stewardship program.

Property Name: Section 16-T11N-R1W

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LANDOWNER INFORMATION

Name: Claiborne County Schools
Mailing Address: P.O. Box 337
City, State, Zip: Port Gibson, MS 39150
Country: United States of America
Contact Numbers: Home Number: 601-437-4352
Office Number:
Fax Number:

E-mail Address:
Social Security Number (optional):

FORESTER INFORMATION

Name: Tommy Walker , Forester II
Forester Number: 01473
Street Address: P.O. Box 77
City, State, Zip: Vicksburg, MS 39181
Contact Numbers: Office Number: 601-638-1227
Fax Number:

E-mail Address:

PROPERTY LOCATION

County: Claiborne Total Acres: 210 Latitude: -91.21 Longitude: 31.89
Section: 16 Township: 11N Range: 1W

DISCLAIMER

This plan is intended to be flexible. It may be modified to meet changes in economic conditions, management goals, or other circumstances. The figures in this plan are only estimates. They can and will change. Therefore, any plans or budgets that use these figures should be tempered with that thought.

INTRODUCTION

This Forest Stewardship Management Plan will serve as a guide for accomplishing the goals and objectives for your property. In addition to addressing your specific goals and objectives, this plan includes recommendations for maintaining soil and water quality and protecting your forest from insects, disease, and wildfire. Recommendations are based on observation and assessment of the site.

OBJECTIVES

Timber Production

The goal is to produce high quality sawtimber. This will be accomplished through reforestation and timber stand improvement practices such as herbicide applications, prescribed burning, thinning at specified intervals, and other silvicultural practices.

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Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

Wildlife Management - General

The goal is to provide a diversity of habitats suitable for a variety of game and non-game wildlife species. Habitat management will focus on developing a variety of food, cover, water, and space. This will be accomplished by establishing and maintaining access roads and firelanes, providing openings within the forest, and the management of trees located within the Streamside Management Zones.

PROPERTY DESCRIPTION

General Property Information

This section is located in the southwest corner of Claiborne County, approximately 3.5 miles west of Alcorn. It is commonly known as the Alcorn section. This section contains approximately 209 acres. Of this acreage, 38 acres is forest land and 171 acres of nonforest is part of the Mississippi River. Approximately 1 acre of the forested acreage is considered inoperable, due to the wet nature of the site. A private woods road is the only access other than boat.

The terrain on this section is flat. The timber type is Delta Hardwood. This section is part of the Mississippi River Delta. It frequently receives backwater flooding from the Mississippi River.

Water Resources

The Mississippi River is the primary water resource for this property. All water resources will be managed in accordance with Mississippi's Best Management Practices.

Timber Production

The goal is to maximize the production of high quality timber. This will be accomplished through the application of timely thinning and other silvicultural practices designed to enhance timber quality and growth. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

Threatened and Endangered Species

No threatened and endangered species were identified during the reconnaissance and evaluation of your property.

Interaction with Surrounding Property

Prescribed practices should be carried out in a manner that will minimize adverse impacts on surrounding properties. Consideration should be given to potential air, water, visual, and other impacts. In addition, practices carried out should have positive effects on the surrounding community such as improved wildlife habitat and soil stabilization.

Soils General

Soils were evaluated on the property to determine the suitability of the site for the proposed activities. Forest practices were planned so as to minimize erosion or other

adverse effects on the soil. The following soils are identified for this property: Crevasse very fine sandy loam, Commerce silt loam, and Robinsonville very fine sandy loam are the primary soils on this property located in the Mississippi River Delta. These soils are very productive hardwood sites with site indexes over 90' for Cherrybark Oak. However, due to flooding, Cherrybark Oak is not the best species for this site. The primary tree species for this tract are Cottonwood, Green Ash, Nuttall Oak, and Sweet Pecan. The site index for Cottonwood should be over 100'.

Archeological and Cultural Resources

These areas can range from churches, old cemeteries, natural springs, Indian mounds to home sites or other areas of historical significance.

No Archeological or Cultural Resources were identified during a reconnaissance of this property.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A healthy, vigorously growing stand is the best defense to an attack from a variety of forest insects, plants and pathogens.

Insects and Diseases

Trees are subject to attack from insects and diseases. Different insects and diseases affect trees according to the age, species, and condition of the trees. Planted stands of pines and pure stands of hardwoods are particularly susceptible to attack. Since there are many different insects and diseases, no attempt will be made here to explain all of them. The property should be inspected at least annually for possible signs of insect and disease activity. Some things to look for are:

- Unseasonable leaf fall
- Discoloration of leaves or needles
- Pitch pockets on pine trees
- Heavy defoliation of hardwood leaves
- Groups of three or more dying trees within a stand

This list does not cover all instances of insect or disease attacks. If anything unusual is noticed, report it to a forester. In most cases, insect and disease problems can be controlled if discovered early.

Fire Protection

Your forest should be protected from wildfire at all times. The best way to protect your investment is by establishing and maintaining firebreaks around the property. Guidelines for establishment and maintenance of firebreaks may be found in Mississippi Forestry Commission publication #107, *Mississippi's Best Management Practices*.

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Grazing

Tree seedlings should be protected from grazing until such time as the terminal bud of the sapling is beyond reach of livestock. Domestic livestock should be denied access to tree planting areas.

Boundary Lines

The Mississippi Forestry Commission has been maintaining the property boundaries on this section on a routine basis for many years. The property boundaries will be painted orange on a 4 year rotation, beginning in 2012.

Water Quality Protection

The objective of the landowner is to protect, preserve and enhance all water sources on or transecting the property. This can best be achieved by implementation of Best Management Practices in all aspects of the management of the property.

Aesthetics

This tract is in a rural part of the county. Therefore, aesthetics should not be a high priority.

Ecological Restoration

Ecological restoration is the process of assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed. A reconnaissance of the property has been conducted and no ecological restoration activities are recommended at this time.

Wildlife Mgt. Target Species

The objective of this practice is to provide habitat best suited for the featured or target species. Habitat management can focus on providing food, cover, water, and space to facilitate the target species.

Environmental Education

Environmental educational goals are to provide educational opportunities for children and adults through the development of items such as nature trails with tree identification markers, wildlife viewing areas, picnic areas, parking, public restroom facilities.

Due to poor access, this tract does not provide much opportunity for environmental education.

Wildlife Management General

The goal is to provide a diversity of habitats suited for a variety of game and non-game wildlife species. Habitat management will focus on providing a variety of food, cover, water, and space. This will be accomplished, in part, by establishing and maintaining access roads and firelanes, providing openings within the forest, and leaving streamside management zones (SMZ).

When this section was harvested, approximately 5 acres of SMZ's were left along the Mississippi River and adjacent to the slough. Timber loading areas may be used for wildlife food plots.

Timber Management

Timber management goals for this property are to manage timber resources in such a manner as to maximize timber production on a sustained yield basis.

Recreation

The primary recreational use of this property is to generate income through a hunting lease.

SOIL TYPES

Crevasse

The Crevasse component makes up 60 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of sandy alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 5w. This soil does not meet hydric criteria. The Commerce component makes up 28 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is moderate. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 33 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

STRATA

Strata 1

Strata Description

Strata 1 is comprised of Stand 1. It contains a total of 32 acres of fresh clearcut. The species composition prior to the harvest was primarily cottonwood, sugarberry, green ash, cypress, and sweet pecan. Very little desirable natural regeneration existed under the canopy. The terrain is flat to undulating.

Strata Recommendations

This strata should be checked next summer to see whether or not enough desirable natural regeneration exists to restock the stand. If there is not enough natural regeneration, chemical site prep and planting will be needed in the fall and winter of 2012-2013.

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The long term goal for this strata is to begin thinning it around age 25-30, and continue thinning every 12-15 years until it is mature (age 60-70).

Activity Recommendations

If planting is necessary, chemical site prep should be performed in the fall of 2012 using a foliar active herbicide. This should be followed by planting Green Ash, Nuttall Oak, and Sweet Pecan at a rate of 302 trees/acre during the winter of 2012-2013.

Strata 2

Strata Description

Strata 2 is comprised of Stands 3 and 5. It contains a total of 6 acres of mature Delta hardwood sawtimber along the Mississippi River and adjacent to a slough. It is currently being used as a Streamside Management Zone. The species composition is good and the volume per acre is good. The terrain is flat to undulating.

Strata Recommendations

This strata should continue being used as a Streamside Management Zone (SMZ). It can be selectively harvested as adjacent stands are harvested. However, at least 50 % crown cover should be left in all SMZs.

There are no activities planned in this strata for the life of this plan.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

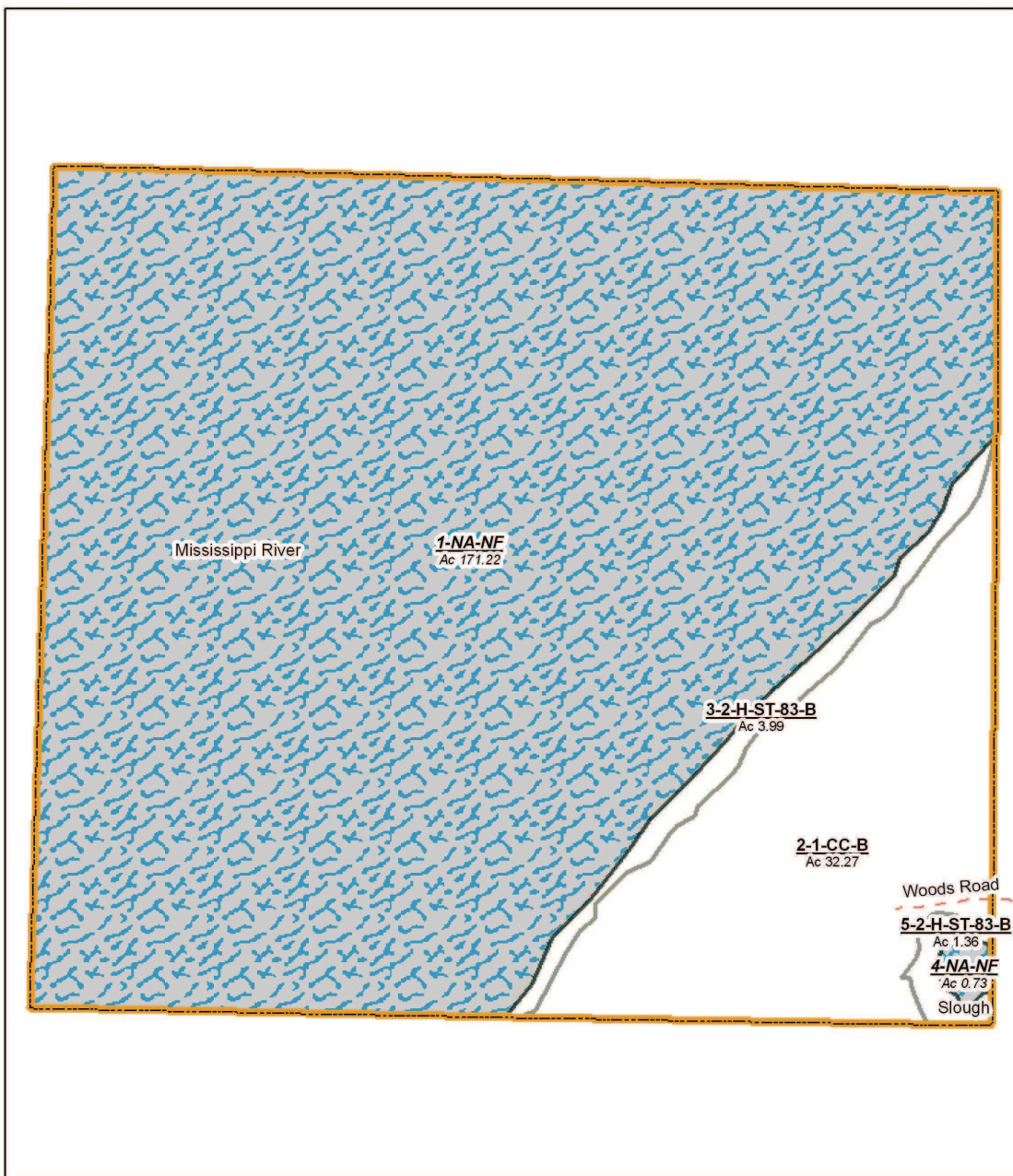
This section has less than 1 mile of boundary lines to maintain. The remainder of the section is located in the Mississippi River.

The Mississippi Forestry Commission has been maintaining the property boundaries on this section on a routine basis for many years. The property boundaries will be painted orange on a 4 year rotation due to flooding. Boundary line maintenance is planned in FY2012, 2016, and 2020.

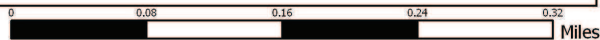
Existing roads will be maintained as firebreaks on an "As Needed" basis.



STAND MAP - FY2012
 Claiborne County Schools
 Section 16, T11N, R1W, Claiborne County, Ms.
 209.58 Acres



(11/16/2011)



Prepared by: Tommy Walker



LEGEND MAP for Section 16, T11N, R1W, Claiborne County, Ms.

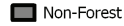
Property



Category 1: Stands



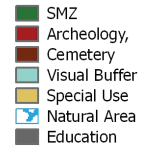
Category 3: Non-Forest Stands



Property Roads/Trails



Restricted Area



Restricted Area (cont)



Stand Activity Summary for
CLAIBORNE COUNTY SCHOOLS
16 11N 1W

Filters Applied: County: Claiborne
Client Class: School Trust Land
District: Capital District
Client: CLAIBORNE COUNTY S
STR: 16 11N 1W
Activity:
Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2013						
16 11N 1W	1	2	Regeneration, Artificial, Plant, Hand, Ash	32	\$4,000.00	\$0.00
16 11N 1W	1	2	Site Preparation, Chemical, Broadcast, Aerial, Combination	32	\$2,080.00	\$0.00
Yearly Totals				64	\$6,080.00	\$0.00
Grand Totals				64	\$6,080.00	\$0.00